

IN THE CLAIMS:

Please amend claim 1 as follows:

1. (Currently Amended) A real-time computer-based viewing system comprising:

a database of ~~pre-existing~~ first software objects in registration with one another, wherein at least one of ~~said the~~ first software objects corresponds to a physical structure which is to be viewed by ~~said the~~ system and at least one of ~~said the~~ first software objects corresponds to a graft which is to be deployed adjacent to ~~said the~~ physical structure;

~~a real-time sensor~~ an endoscope for acquiring data about ~~said the~~ physical structure when ~~said the~~ physical structure is located within ~~that sensor's~~ the endoscope's data acquisition field, wherein ~~said sensor~~ the endoscope is capable of being moved about relative to ~~said the~~ physical structure;

generating ~~means~~ apparatus for generating a ~~real-time~~ second software object using data acquired by the endoscope, wherein the second software object corresponds eorresponding to said the physical structure currently being viewed by the endoscope;

registration ~~means~~ apparatus for positioning ~~said real-time~~ the second software object into the database in proper registration with the ~~said pre-existing~~ first software objects already contained in ~~said the~~ database; and

processing ~~means~~ apparatus for generating an image from ~~said the~~ software objects contained in ~~said the~~ database, based upon a specified point of view.